SONY

VGN-NS230E/P

VAIO® NS Notebook PC

Everyday computing delivered in style

EVERYDAY PC PERFORMANCE

Enjoy the performance of an Intel® Pentium (2.16GHz[1]) with 3GB of pre-installed memory.

The VAIO NS notebook comes pre-installed with Genuine Microsoft® Windows Vista® Home Premium 32-bit[15].

Work and play online from almost anywhere within your home or office using 802.11b/g/n integrated wireless LAN technology[3].

Store your cherished digital family photos, school projects and important documents on a roomy 250GB[2] (5400rpm) Serial ATA hard disk drive .

MULTIMEDIA ENTERTAINMENT

A 15.4" widescreen[6] display, with XBRITE-ECO™ LCD technology, delivers razor-sharp details and bold colors while perserving precious battery life.

Communicate with family, friends and colleagues using the built-in webcam[4].

Editing digital video and images is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

STYLISH YET FUNCTIONAL DESIGN

Clean lines, textured exterior, a rich Sunset Pink hue and an aesthetic yet functional design give this notebook a very contemporary look and feel.

Connect to useful peripherals with 4 conveniently located USB ports.

The 15.4"[6] VAIO® NS notebook exemplifies contemporary style in an easy-to-handle mobile PC. With such great performance features as an Intel® Pentium® processor, built-in webcam[4] and 3GB of RAM, the VAIO NS notebook is a great PC for all your day-to-day computing and entertainment endeavors.

Intel Pentium Dual-Core inside

Windows Vista Home Premium

XBRITE-ECO™

RoHS COMPLIANT

dlna CERTIFIED

energy ENERGY STAR

EPEAT SILVER

VAIO

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VAIO® NS Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: AV Mode, Mute
Pointing Device: Electro-static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in 1.3 megapixel MOTION EYE® camera and microphone

Processor

Type: Intel® Pentium® Processor T3400
Speed: 2.16GHz[1]
Front Side Bus Speed: 667MHz
L2 Cache: 1MB

Memory

Type: DDR2
Installed: 3GB (PC2-5300) 2GBx1+1GBx1)
Maximum: 4GB[15]
Speed: 667MHz

Hard Drive

Capacity: 250GB[2]
Speed: 5400rpm
Interface: Serial ATA

Optical Drive

CDSupport: Read / Write (CD/-R/-RW)
DVDSupport: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality
One ExpressCard® / media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 15.4"[6]
Resolution: 1280 x 800 (WXGA)
XBRITE-ECO™ Technology: Yes

Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500 MHD with Intel® Clear Video Technology. Total Available Graphics Memory of 1320MB (max.)[10]
Chipset: Intel® GL40 Express Chipset

Inputs and Outputs

Modem Jack: 1
Microphone Input: 1
USB Port(s): 4 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Atheros 802.11 b/g/n Wireless Network Connection[3]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS13/B)
Estimated Battery Life: 1.5-4.0 hours[11] Standard Capacity Battery
2.0-5.5 hours[12] Large Capacity Battery
Power Requirements: 95W + 10%

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium 32-bit
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[14]
VAIO® Multimedia Suite: "VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials."
Anti-Virus & Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version[5]

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[22]. See actual warranty for details.

Environmental Information

EPEAT™ : Silver
RoHS®: Compliant
For more information: www.sony.com/vaioeco
ENERGY STAR®: 4.0

Regulation and Standard Compliance

Energy Star® Compliant: 4.0

Dimensions

Weight: 6.4 lbs[7] (with standard battery)
Measurements: 14.18"(W) x 1.24-1.5"(H) x 10.63"(D)[7,8]

Supplied Accessories

Standard Capacity Lithium-ion battery (VGP-BPS13/B)
AC Adapter
Power Cord

Optional Accessories

Large Capacity Battery (VGP-BPL13)
Additional Standard Lithium-ion Battery (VGP-BPS13A/B)
Stick AC Adapter (VGP-AC19V30)
USB Optical Mouse(VGP-UMS55/W)
USB Portable Speaker (VGP-USP1)
Neoprene Notebook and AC Adapter Case (VGP-AMC3)
Notebook Backpack (VGP-CCP3/H)
Sport Backpack (VGP-CCP4/L)

Color: Pink
UPC Code: 027242758810

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Broadband Internet service required along with third party services which may require a subscription or other service fee.
5. Microsoft® Windows Live™ OneCare™ Trial Version – This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
12. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
14. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
15. A portion of the system memory over 3GB may not be available to the operating system.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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